



ZAMBONI[®] **CONNECT[™]**

Operating Instructions

Table of Contents

Startup.....	4
Link to Connect System Video Overview:.....	4
Download the Zamboni Connect System App.....	4
Your First Login	4
Account Settings.....	5
Summer Shutdown or Planned Non Operation of machine	6
How to Enter Your Wi-Fi Network Info	6
If You Do Not Know What Authentication Your Network Uses.....	6
If Your Network Has A Specific Authentication	7
Adding/ Removing a Wi-Fi Network.....	8
Adding/ Removing Team Members	9
Overview of the Zamboni Connect System Dashboard.....	10
Quick Reference View:	10
Dashboard View:.....	11
Individual Modules	12
Diagnostics Module:.....	14
Maintenance Log Module:.....	14
Additional Resources Module:	15
Zamboni Connect Module Reference	16
Data and Sensors	20
Maintenance of The System	20
Facility Restart After A Season Closure.....	21
When Your Team Plans to Return to the Building	21
Troubleshooting Disconnected Machines	21

Reports23

Adding Other Non-Connected Machines to Your Fleet25

System Requirements and Specifications for Connectivity26

 Browser Requirements:.....26

 Other Considerations:27

Support and Contact Information27

Startup

Link to Connect System Video Overview:

<http://zamboni.com/connect-setup/#video>

Download the Zamboni Connect System App

Available in the Android/iOS App Store and at no cost, download the Zamboni Connect System app to your PC/Mac and any tablet or mobile device which you'd like to use to login and display your Zamboni Connect System data.



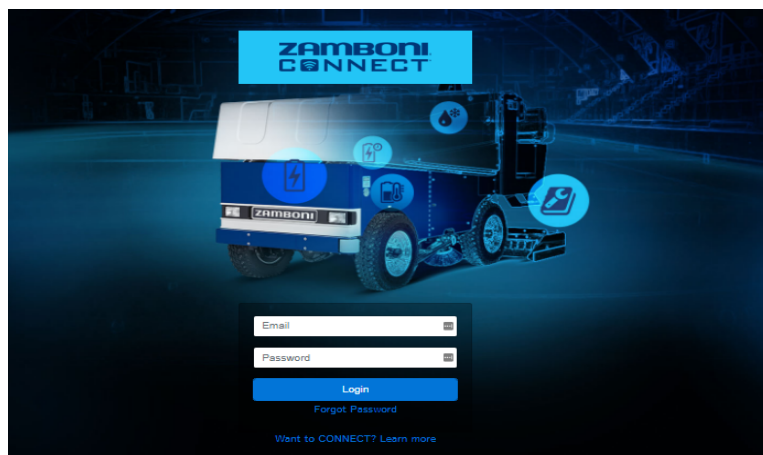
Welcome Email

At least 30 days in advance of your new machine's arrival, Zamboni Connect System users will receive an email inviting them to login and to set up their preferences and to adjust account settings.

Your First Login

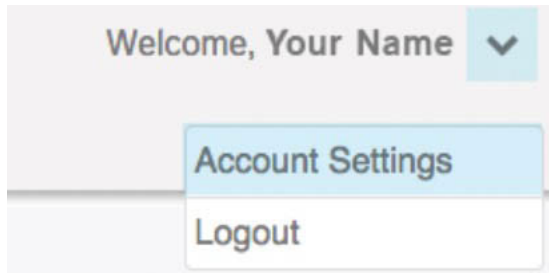
Use the link from the "welcome email" and it will direct you to this page, located at **www.zamboniconnect.com**. Use this page if in the future you forget or want to reset your password, using the "Forgot Password" button.

Note: Once your machine arrives and the Zamboni Connect onboard module successfully activates, data will be transmitted after its first complete resurfacing procedure.



Account Settings

Upon login, the upper right hand corner of the Zamboni Connect web app features a drop-down tab which allows you to change your preferences and to begin adding new team members.



Choose your contact preferences for important information and events such as diagnostic trouble codes via text and/or email. Here you can change the language and the format for the presentation of data, including the metric values.

Account Settings

Preferences

Measurement Units

☒ Metric ☐ US Standard

Default Language

English ▾

Notifications

Do you want to receive notifications for Diagnostic Trouble Codes (Warnings)?

- ☐ Email only
- ☐ Mobile Phone SMS / text only
- ☒ Both
- ☐ OFF **Temporarily Discontinue Notifications**

Summer Shutdown or Planned Non Operation of machine

If your facility shuts down for the summer or has a period when the machine will be out of operation / in storage / out of Wi-Fi range, change your notifications to "OFF Temporarily Discontinue Notifications". When your machine is back in operation again, be sure to turn notifications back on. Please note, even if notifications are "OFF" any DTC alerts or Wi-Fi disconnected alerts will always be present in the app/ website when you login.

Notifications

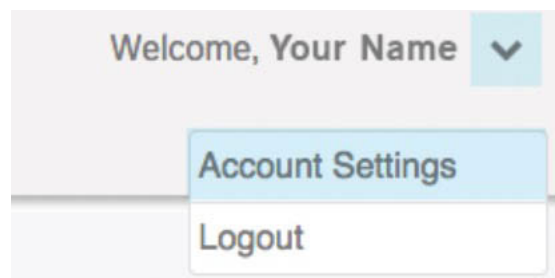
Do you want to receive notifications for Diagnostic Trouble Codes (Warnings)?

- ☐ Email only
- ☐ Mobile Phone SMS / text only
- ☐ Both

☒ OFF Temporarily Discontinue Notifications

How to Enter Your Wi-Fi Network Info

- If you have not yet created your login using the Welcome Email, use the link within the email and login using a password you create and save.
- If you have already created a login / password, login to the Zamboni Connect System at www.zamboniconnect.com. (Please note the website works best in Chrome, Firefox and Safari browsers. We do not recommend Microsoft Edge or Internet Explorer). Login to Zamboni Connect using your email and password.
- Once you are logged in, at the top right-hand corner of the screen you should see your Name.



- Click on the down arrow next to your name to see a drop-down menu.
- Choose Account Settings.
- Scroll down on the Account Settings page to the Network Information section.
- Follow the instructions below to add Network Information for your facilities

If You Do Not Know What Authentication Your Network Uses

Fill out the WPA version as seen below with your Network Name and Network Password.

The Wi-Fi Network Name should not contain spaces and is case sensitive.

Networks

 [How to Edit Wifi Network Info](#)

Network Information for Polar Facility

Required Fields (*)

Open

WEP

✓ WPA

WPA Enterprise

Network Name *
SSID

Password *
PSK

+

Save

Network Information for Polar Facility

Required Fields (*)

Security *
WPA

Network Name *
PolarRinkWeb

Password *
.....

+

Save

Enter your Network name
Your network name
should not contain spaces

Enter your Network password
Your network password
should be 8 characters or longer

If Your Network Has A Specific Authentication

Choose the appropriate Authentication from the drop-down menu and fill in your Network Name, Network Password and other relevant fields as instructed by your IT professional.

Networks

 [How to Edit Wifi Network Info](#)

Network Information for Polar Facility

Required Fields (*)

Security *
WEP

Network Name *
PolarRinkWeb

Password *
.....

+

Save

Enter your Network name
Your network name
should not contain spaces

Enter your Network password
Your network password
should be 8 characters or longer

Networks

 [How to Edit Wifi Network Info](#)

Network Information for Polar Facility

Required Fields (*)

Security *
WPA Enterprise

Network Name *
PolarRinkWeb

EAP Type *
choose one

User Name *
myusername

Password *
.....

+

Save

Adding/ Removing a Wi-Fi Network

On the Account Settings page, you can add new networks and archive those which you are no longer using. **If you have a password change for your network or if you change networks, we recommend that you update your information in your Account Settings before you change your password or change networks. This is so that your machine can receive this information while it is still connected to your network.**

Maintaining connectivity between the ice resurfacing machine module and your network is critical to ensure the data which is collected is available to you via the web and mobile apps.

If you have multiple Wi-Fi networks in your facility(s), use the + button to add all secure networks available. Your machine will then connect to whichever network is available to upload data to the website. This is especially useful if you have a machine that is moved between ice pads with different networks at each pad or if you have a machine that is moved between multiple facilities.

Should your machine lose connectivity to a Wi-Fi network you will see a notification bar at the top of your screen in your Connect Dashboard. If you have chosen to be notified by email / text message in your Account Settings, you will receive a notification there as well. Machine not connected notifications will only be sent if your machine has been disconnected for over 24 hours.

Warning: This machine has not connected in 1 days, 4 hours, 7 minutes, and 6 seconds.

The Connect device installed on your machine will store data for approximately a month before it gets too full. Once the machine is reconnected, it starts to upload all the data it has saved to the web. It may take a while for it to catch up and show up to date data on your Zamboni Connect account online.

Adding/ Removing Team Members

To add a team member, access the Account Settings page and scroll down to “Ice Maintenance Team Members”. Enter their name and contact information. **Make sure to choose a Facility from the drop-down list when you add a Team Member. This is a step required to complete the process.** As the primary (administrative) member, you will have the ability to add and delete team members. You should set your team members up as “secondary” members unless you wish for them to have administrative powers which include the ability to add/delete team members and to add/change/archive networks.

Once you hit the Save button, the Zamboni Connect System will automatically send a Welcome email to your new Team Member. The email will contain a link prompting them to log in and create a password. They can begin their setup and user experience from that point.



The screenshot displays the 'Ice Maintenance Team Members' interface. On the left, a list of current team members is shown, each with a red square icon and a blue pencil icon for editing. The members listed are: Brandon Moser, Julian Gardner, Mike Peterson, Paule Coony, Reena Ngouy, iTunes Tester, Mohammad Farooqi, Steve Staack, and Zamboni Company. Below this list are links for 'Add / Delete Team Members'. On the right, a form for adding a new team member is visible. It includes fields for Name, Email, User Type, Job Title, Mobile Phone, and Facility. The Facility dropdown menu is open, showing options: 'Horgan Skating Arena 2', 'Iceland - El Segundo', and 'Iceland?'. At the top of the form, there are three red square icons and a blue pencil icon, corresponding to the existing members listed on the left.

Overview of the Zamboni Connect System Dashboard

The Zamboni Connect System dashboard displays the data collected by your machine or machines. Users with more than one machine will have a “fleet” view which allows you to then display individual machine views. The dashboard view shows the data collected during the most recent resurfacing (light blue bars) and displays it in a comparison to the past week’s average (dark blue bars).

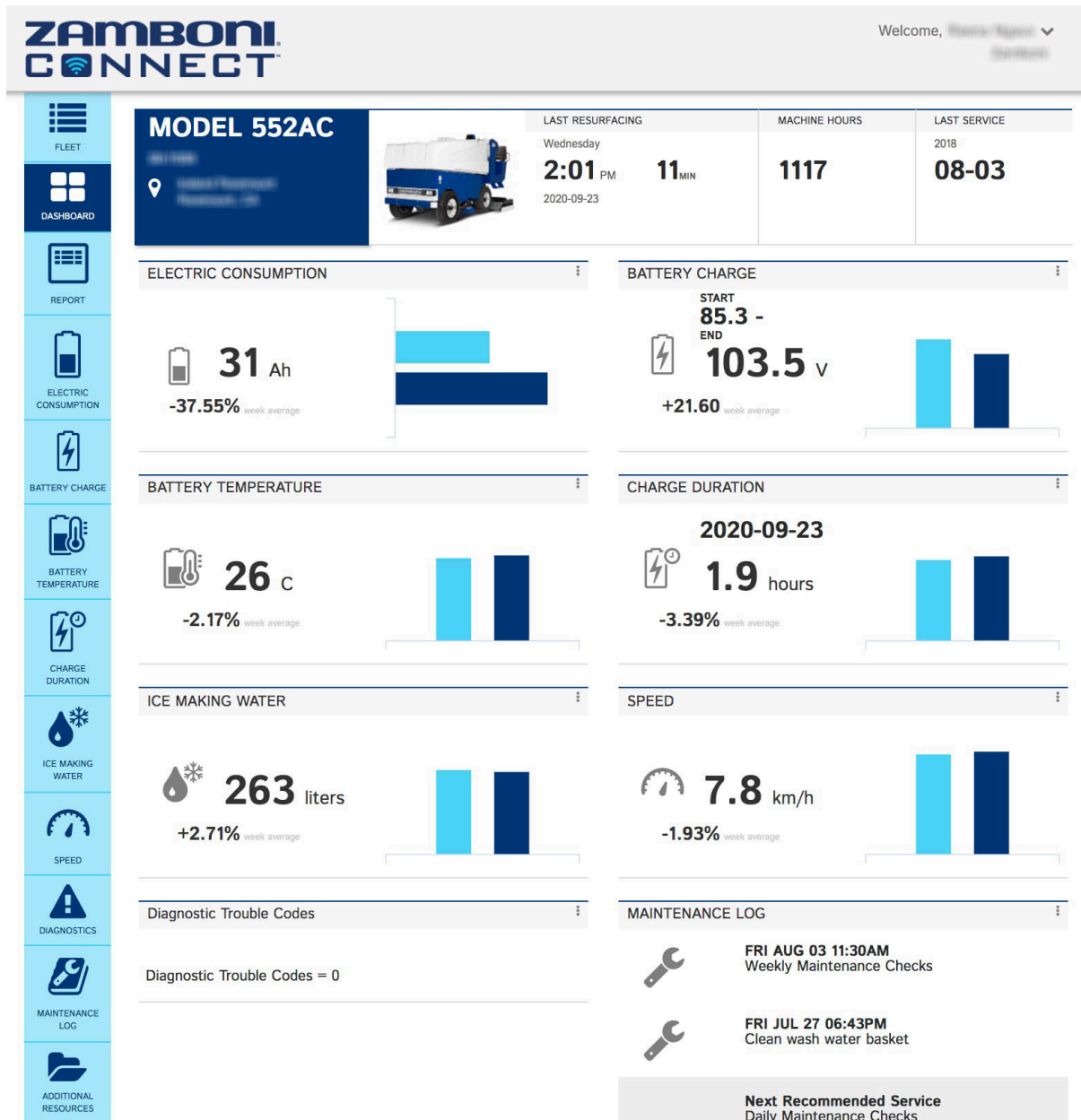
The “quick reference view” constantly displays information about your last resurfacing and the machine’s hours and the most recent service activity, as well as the machine’s serial number and model and location.

Quick Reference View:

<div>MODEL 552AC</div> <div>19811986</div> <div> Location: Pennsylvania Haverhill, MA</div>		LAST RESURFACING	MACHINE HOURS	LAST SERVICE
		Wednesday 2:01 PM 11 MIN 2020-09-23	1117	2018 08-03

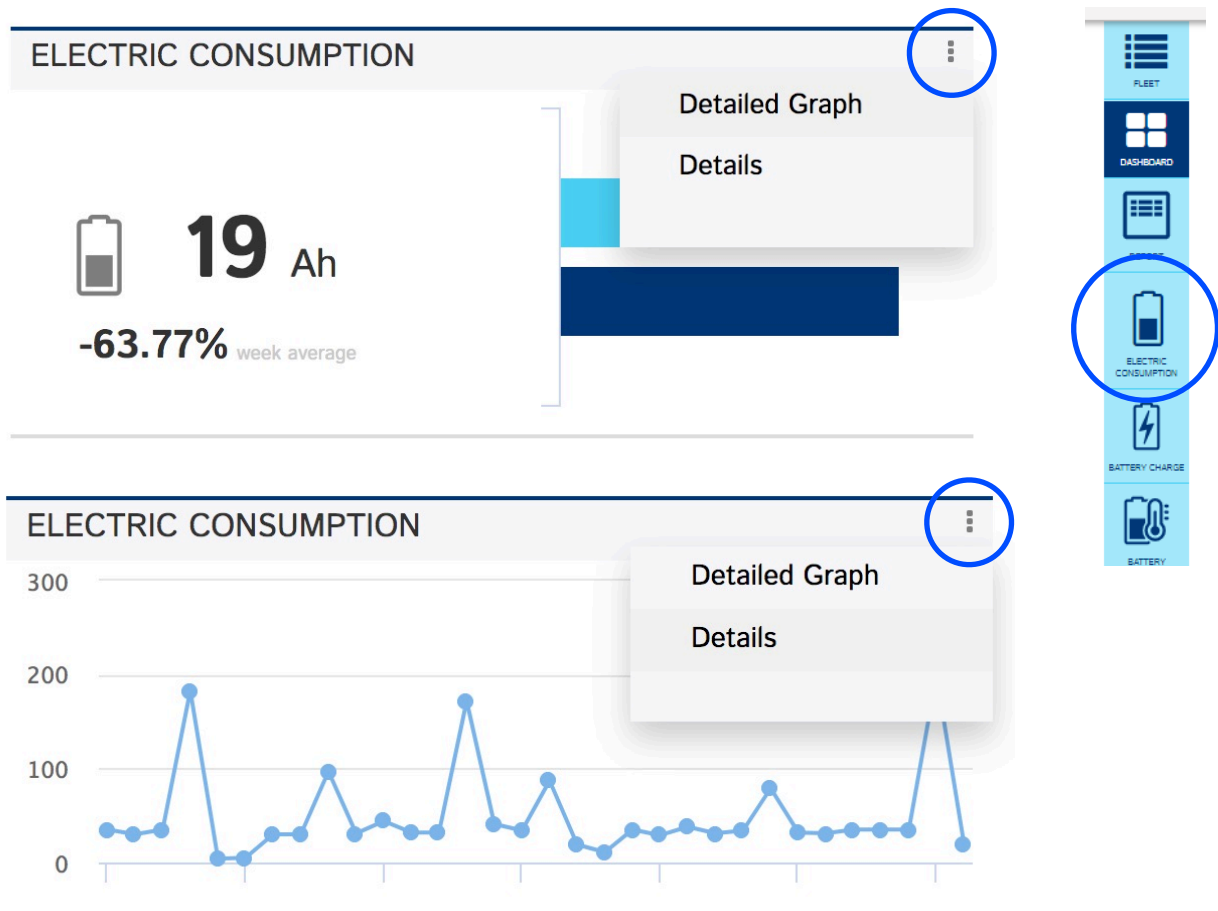
Also available for quick reference on your dashboard on the lower half of the screen you’ll find any diagnostic trouble codes; a view of the maintenance log; additional resources and contact information for your Zamboni Authorized Distributor and Service providers.

Dashboard View:



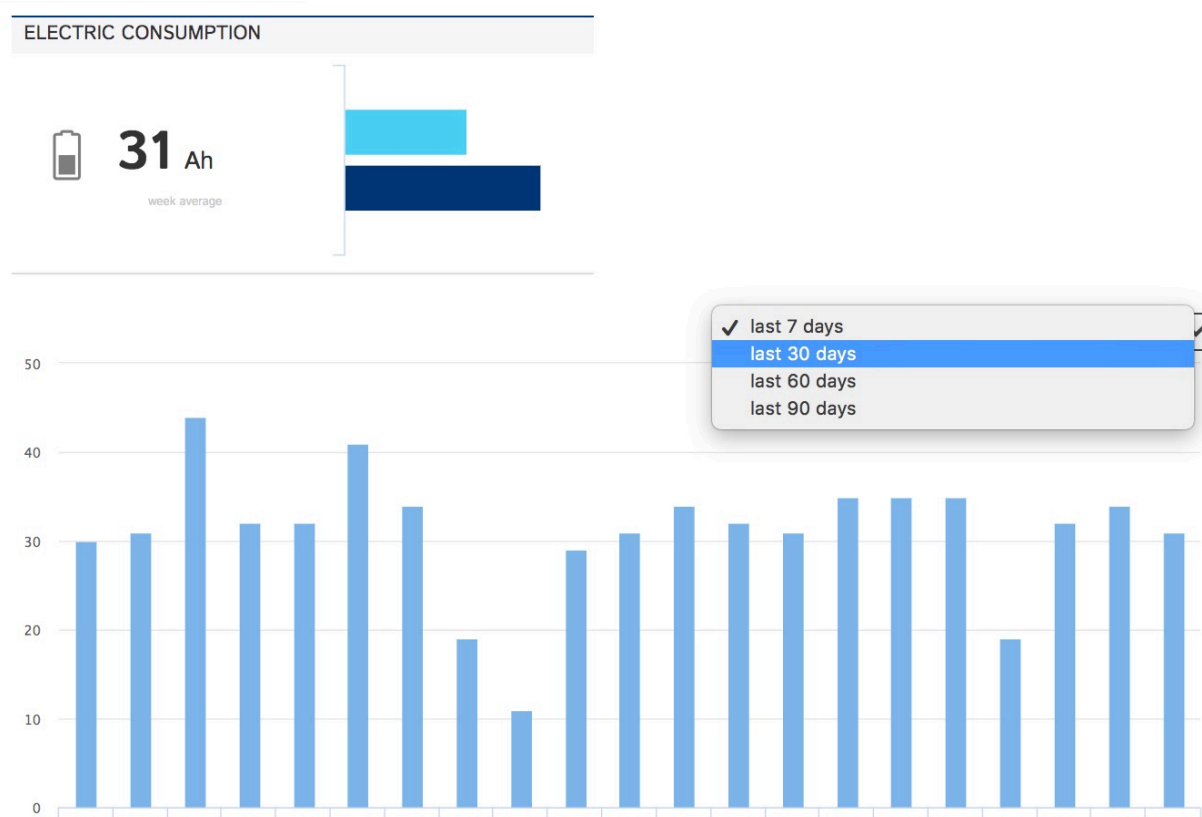
Individual Modules

Each of the data points delivers information to its respective module. There are different data points for the electric and fuel powered machines. The individual modules are displayed as a group on the dashboard and you can access detailed graphs and information by positioning the mouse over the three grey dots at the top right of each module or by using the left side vertical navigation bar.



View a detailed graph showing the past week's data from each resurfacing.

Use the “details” button in the drop-down menu to see additional data including the option of selecting the past 30, 60 and 90 days’ worth of data or exporting raw data as a CSV file.



The data can be sorted in the column format from oldest to newest or newest to oldest. This view displays the trend of each resurfacing and consumption of resources if applicable.

Show results for

last 7 days

DOWNLOAD CSV

Date 	Time	Consumption	Trend
9/23/2020	14:01	31	-37.55%
9/23/2020	11:46	34	-29.96%
9/22/2020	14:45	32	-36.45%

Diagnostics Module:

Displays any DTC information and has the diagnostic trouble code list for each machine model. Diagnostic trouble codes will activate the contact preference(s) of your choice and in addition will be retained on the Diagnostics Module page for future reference. The Diagnostics page has a Maintenance Log input box for your team to make notes relating to any of the DTC which have been activated. This information will be retained in the Maintenance Log.

Diagnostic Trouble Codes

Diagnostic Trouble Codes = 0



Write the maintenance performed here.

ADD TO LOG

Diagnostic Trouble Codes Reference

 [DTC Pages All Models](#)

Maintenance Log Module:



Has a digital maintenance log which allows your team to communicate and note service and maintenance performed. Each entry is attributed to the team member entering it and is date and time stamped. This information can be downloaded and even searched.



Maintenance Log

Write the maintenance performed here.

ADD TO LOG







☐  Maintenance
☒  Note

Maintenance Log History

DOWNLOAD CSV

		FRI AUG 03 11:30:12 AM	COMPLETED Weekly Maintenance Checks
		FRI JUL 27 6:43:03 PM	COMPLETED Clean wash water basket
		FRI JUL 27 6:42:52 PM	COMPLETED Grease brake pedal (under operator's platform) - Grease

Recommended Maintenance Schedule








	<input type="checkbox"/> Daily Maintenance Checks	WED SEP 23
	<input type="checkbox"/> Daily Maintenance Checks	TUE SEP 22
	<input type="checkbox"/> Daily Maintenance Checks	MON SEP 21
	<input type="checkbox"/> Daily Maintenance Checks	SUN SEP 20
	<input type="checkbox"/> Weekly Maintenance Checks	MON SEP 21
	<input type="checkbox"/> Daily Maintenance Checks	

Daily, weekly and monthly maintenance reminders will be displayed and weekly/monthly reminder dates can be set by you for convenience and to synchronize with and maintain a preexisting maintenance routine. Machine maintenance based on the hours on your machine displays in





advance of upcoming interval maintenance. All maintenance reminders can be “muted” and logged by clicking on the box to the left of each reminder. The person performing that action will be associated with the completion of that event.




Additional Resources Module:

Contains important content for your ice resurfacing team. Your machine’s service manual; parts list; operating instructions; videos regarding the safe and proper operation of your machine; safety mailing; safety poster; machine specifications as well as the contact information for your Zamboni Authorized Distributor and Service provider are all accessible on this page.

ADDITIONAL RESOURCES	ZAMBONI SALES, SERVICE AND SUPPORT
 520 525 526 Machine Line Drawings for Reference	 Zamboni Authorized Distributor Zamboni Company USA, Inc. 15714 Colorado Ave., Paramount, CA 90723 USA Phone: 562.633.0751 Email: sales@zamboni.com
 540 545 546 Machine Line Drawings for Reference	 Zamboni Authorized Service Zamboni Company USA, Inc. 15714 Colorado Ave., Paramount, CA 90723 Phone: 562.633.0751 Email: sales@zamboni.com
 552 Machine Line Drawings for Reference	
 552AC Lithium-ion Battery (GCT) 711731 MPD Standard Warra...	
 552AC Lithium-ion Battery (GCT) Motor Power Brochure	

Zamboni Connect Module Reference

ELECTRIC MODULES	FEATURE	BENEFIT
Electric Consumption 	The Ah consumed in one session is calculated and displayed.	Reduce electrical consumption and cut utility bills by putting fewer Ah into your battery when you do an equalized charge. Reducing consumption = longer life for the battery.
Battery Charge 	Battery charge data measures the voltage before you key on and after you key off. Shows raw voltage. Monitors charging and discharging events.	Allows you to see how the battery voltage is decreasing during a resurfacing. Reporting will give visibility of a larger voltage drop as the battery ages.
Battery Temperature 	Value is the max achieved during a resurfacing session.	Reporting will give visibility of the health of the battery. Over the life of a given set of batteries, the cell temp will climb more for a resurfacing. Built-in DTC email and/or push notifications alert users at 115 and 125 degrees Fahrenheit.
Charge Duration 		Managers will be able to monitor charging. Data collected assesses the health of the battery - how much energy you put in versus what you get out. Reporting will give visibility of trends on older batteries/aging batteries in terms of Ah.

FUEL MODULES	FEATURE	BENEFIT
Fuel Consumption 	Real-time engine operating data is pulled from the machine and calculated. Different models and different fuel types have different calculations.	Allows facility to monitor consumption and variables in consumption seen from different operators and optional equipment.
Engine Coolant Temperature 	The data point is the peak temperature reached during resurfacing session.	Provides insight into the health of the cooling System on fuel powered machines. (clogged radiator; fouling or corrosion)
RPM 	RPM of the engine is calculated as an average from an ice resurfacing session.	Track consistency between operators and educate the team so that you can use less fuel by running at lower RPM.

OTHER MODULES	FEATURE	BENEFIT
Ice Making Water 	Calculation using tank volume for each model of machine. Averages to account for sloshing of water in the tank.	Visibility of impact which excess water use may have on ice thickness + thus energy waste. Spot dry cuts and inconsistencies between operators.
Speed 	Speed sensor takes the average ground speed from a resurfacing session.	Allows management to direct the team on ground speed; slower = better quality ice
Maintenance Log 	Any maintenance performed on the machine and notes/communication relating to service/performance can be logged using this module. Each log item is date and time stamped as well as marked with the user's name. *This is not a substitute for your official paper logs.	Useful for multiple users within a company to keep track of machine maintenance performed. Information is downloadable + searchable documents who made the note or performed maintenance. Zamboni Customer Service and ZAD can use for reference. Paid Connect users can get daily / weekly / monthly Recommended Maintenance Scheduled Reminders as well as maintenance reminders based on their machine hours.
Diagnostic Codes 	This module displays any Diagnostic Trouble Codes triggered by the machine.	Allows users to see a list of DTC triggered and date and time stamped. This is useful for troubleshooting. Can be downloaded to view the entire DTC history. Users can look up their DTC in a DTC reference sheet to see more details on any codes that were triggered. DTC alerts are always displayed on the Zamboni Connect website/app and can also be sent to a users' phone / email. Users can change their notification settings on the Account Settings page.

Additional Resources



Users can access all the relevant service manuals, parts lists, safety materials and videos related to their machines in this manual.

Service manuals, parts lists, and other safety materials are constantly updated and the newest version is auto-populated into the website/app.

Data and Sensors

Data is collected from sensors onboard the machine and that information is transmitted to your web based and mobile applications. The sensors onboard your machine collect data throughout each resurfacing and appropriate values are populated in their respective modules on your dashboard and during all reporting functions.

Maintenance of the System

The Zamboni Connect System onboard your resurfacers does not require maintenance and it is supported by a battery draw from the machine. Take care not to bump or damage the box containing the Zamboni Connect onboard module which is located on the rear of the machine. The box containing the module is water-resistant. The machine should not be left exposed to the sun or extreme temperature for extended periods of time, as this is not the ideal environment for electronics. The web and mobile based applications are available around the clock from any of your compatible devices. There may be occasional maintenance of the Zamboni Connect System and as they become available, updates will automatically be pushed up to the applications, as well as to the module onboard your machine.

Facility Restart After a Season Closure

When Your Team Plans to Return to the Building

1. Login to the Zamboni Connect System app to check for messages.
2. You may see a message that your machine has not connected during the downtime which is normal
3. Check your network connection (TROUBLESHOOTING TIPS BELOW)
4. On the Settings page, make sure the “notifications” are set to ON
5. Review your team on the settings page and add/delete any staff as needed
6. After your first resurfacing, review detail of each data module
7. In the Maintenance Log module, check off/dismiss routine weekly/monthly maintenance messages delivered during downtime
8. Record the downtime date range in the Maintenance Log for future records
9. Review any diagnostic trouble code (DTC) messages

Troubleshooting Disconnected Machines

If your machine appears to be disconnected from the Zamboni Connect System, check the following possible technical issues:

- If the machine was connected to your Wi-Fi network, and nothing about the network has changed, you can start with cycling power to the Wi-Fi module off and on again. The process varies for fuel and electric powered machines as outlined here:
 - Fuel powered machines: cycle the battery disconnect switch (turn it off and on).
 - Electric powered machines:
 - Model 552AC and Model 650: Unplug and reconnect the power connection for the Connect Wi-Fi module housed in aluminum enclosure, which can be found inside the fiberglass cover on the top right part of the machine, at the back. (see image 1 below)
 - Model 450 has a fuse located at the front of the resurfacer. Lift the front panel and carefully uninstall and then reinstall the fuse (see image 2 below)
- A change to the Wi-Fi credentials
- Wi-Fi network settings change blocking the connection between the machine and the Connect servers
- Change in physical Wi-Fi router and different accessibility settings associated with the new router
- Change in firewall settings blocking the connection
- Installation of a firewall where one did not previously exist, new firewall blocking connection
- Change in Wi-Fi carrier frequency from 2.4 GHz to 5 GHz (Connect only compatible with 2.4 GHz)
- Internet Service Provider (ISP) blocking the connection

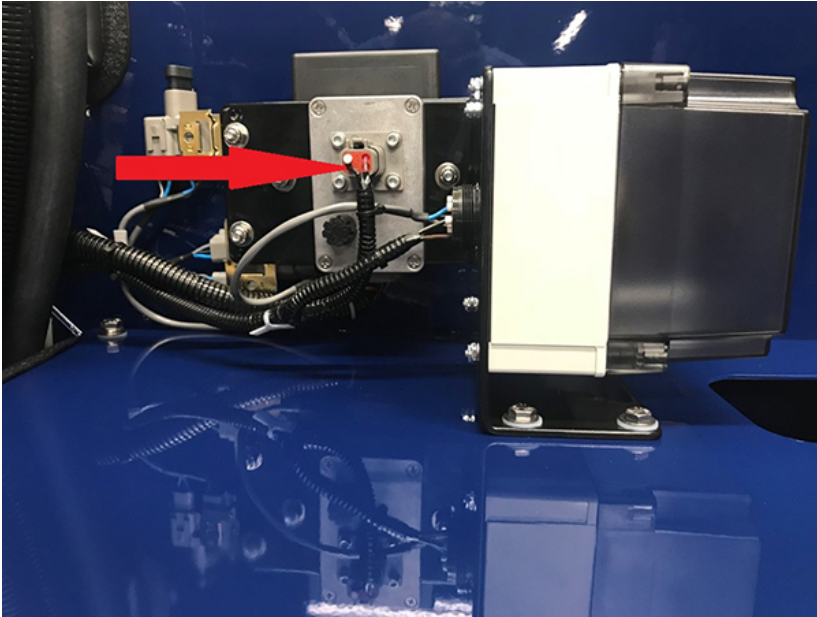


Image 1

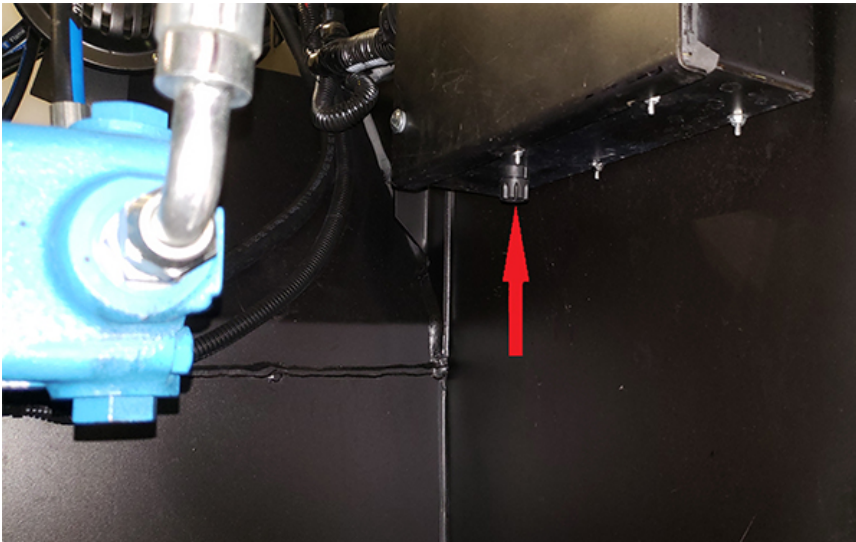


Image 2

Resolution of any of these issues may require some technical assistance involving your I.T. partner and the Zamboni Connect System team.

Contact us at support@zamboniconnect.com and our team will schedule a call with you or your I.T. group.



Reports

The data collected by the sensors in your machine provide your web app and mobile app with the information it needs to deliver on-screen graphs and content.

First select the machines for the report. Then select the data points you would like to see in the report.

Custom Reports

Choose one or more machines

<input type="checkbox"/>	<div>MODEL 546 SN:10945 📍 Iceland - El Segundo El Segundo, CA</div> 	<div>LAST RESURFACING Tuesday 2018-07-17</div> <div>1:17 PM 11 MIN</div>	<div>MACHINE HOURS</div> <div>2674</div>	<div>LAST SERVICE 2018</div> <div>06-07</div>
<input type="checkbox"/>	<div>MODEL 552AC SN:11595 📍 Iceland Paramount Paramount, CA</div> 	<div>LAST RESURFACING Tuesday 2018-07-17</div> <div>1:32 PM 10 MIN</div>	<div>MACHINE HOURS</div> <div>1114</div>	<div>LAST SERVICE 2018</div> <div>06-20</div>

Select Data points to export

- ☐ Select All
- ☐ Fuel Consumption
- ☐ Engine Coolant Temperature
- ☐ Electric Consumption
- ☐ Battery Charge
- ☐ Battery Temperature
- ☐ Ice Making Water
- ☐ Speed
- ☐ RPM
- ☐ Charge Duration

Select yes, if you would like to download the maintenance log for the same date range while you export your report.

Export the maintenance log as a separate CSV file for this date range?

☐ Yes ☒ No

Select the date range for the report

Date Range?

2018-07-17

to

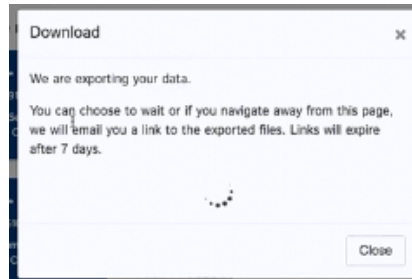
2018-07-18

If you would like to create a custom report using raw/detailed data, you can do so by selecting “Create an Advanced Report – Export Raw Data”.

☐ **Create an Advanced Report – Export Raw Data**

This option exports more data points per ice resurfacing session. If you're not sure of this option, skip this question.

When you opt to download a report, you can navigate away from the page and the report will be emailed to you.



Please note all reports are exported as CSV (Comma Separated Values files) with date and time in UTC Standard (<https://www.timeanddate.com/time/aboututc.html>). To convert UTC Standard to your local time zone, use this calculator (<https://www.timeanddate.com/worldclock/converter.html?pl=1440>).

The report will contain data from each resurfacing within the selected date range and data points.

Time, day, start	Time, day, end	Time, day, start	Time, day, end	model_number	serial_number	location	EngineCoolantT	EngineSpeed	FuelConsumpt	BMWater	VehicleSpeed
10/29/2017	1:02 AM	10/29/2017	1:10 AM	546	10045	SW1621 Iceland - E1 Seg	77	2537.7	0.021600551		6.4171707567
10/14/2017	11:44 AM	10/14/2017	11:55 AM	546	10045	SW1621 Iceland - E1 Seg	77	2392.4	0.738780212		
10/15/2017	1:02 AM	10/15/2017	1:14 AM	546	10045	SW1621 Iceland - E1 Seg	76	2509	0.733125446		
10/15/2017	2:18 AM	10/15/2017	2:27 AM	546	10045	SW1621 Iceland - E1 Seg	76	2509	0.83680506		
10/15/2017	3:43 AM	10/15/2017	3:53 AM	546	10045	SW1621 Iceland - E1 Seg	76	2390	0.942591724		
10/15/2017	5:14 AM	10/15/2017	5:23 AM	546	10045	SW1621 Iceland - E1 Seg	77	2623.2	0.887658808		
10/15/2017	6:44 AM	10/15/2017	6:55 AM	546	10045	SW1621 Iceland - E1 Seg	77	2575.5	0.746105511		
10/15/2017	9:20 AM	10/15/2017	9:40 AM	546	10045	SW1621 Iceland - E1 Seg	79	2394	0.690613012		
10/15/2017	3:48 AM	10/15/2017	4:07 AM	546	10045	SW1621 Iceland - E1 Seg	77	2422	0.248197551		
10/15/2017	4:29 AM	10/15/2017	4:43 AM	546	10045	SW1621 Iceland - E1 Seg	77	2443	0.927637864		
10/15/2017	6:58 AM	10/15/2017	7:11 AM	546	10045	SW1621 Iceland - E1 Seg	76	2459.0	0.858370804		
10/15/2017	9:55 AM	10/15/2017	10:08 AM	546	10045	SW1621 Iceland - E1 Seg	77	2453.9	0.837279912		
10/16/2017	12:53 PM	10/16/2017	12:14 PM	546	10045	SW1621 Iceland - E1 Seg	77	2589.2	0.796794565		
10/16/2017	2:16 AM	10/16/2017	2:25 AM	546	10045	SW1621 Iceland - E1 Seg	76	2574.6	0.691298374		
10/16/2017	5:13 AM	10/16/2017	5:21 AM	546	10045	SW1621 Iceland - E1 Seg	77	2840.8	0.889188276		
10/16/2017	7:01 AM	10/16/2017	7:09 AM	546	10045	SW1621 Iceland - E1 Seg	76	2653.1	0.891558261		
10/16/2017	7:57 AM	10/16/2017	7:47 AM	546	10045	SW1621 Iceland - E1 Seg	76	2567.4	0.613195293		
10/16/2017	9:32 AM	10/16/2017	9:43 AM	546	10045	SW1621 Iceland - E1 Seg	77	2713.7	0.98687882		
10/16/2017	2:41 AM	10/16/2017	2:48 AM	546	10045	SW1621 Iceland - E1 Seg	78	2734.8	0.798195016		
10/16/2017	7:22 AM	10/16/2017	7:37 AM	546	10045	SW1621 Iceland - E1 Seg	81	2762.2	1.239543352		
10/16/2017	9:50 AM	10/16/2017	9:59 AM	546	10045	SW1621 Iceland - E1 Seg	78	2937.7	0.838401983		
10/17/2017	12:53 PM	10/17/2017	12:11 PM	546	10045	SW1621 Iceland - E1 Seg	79	2945.8	0.795210762		
10/17/2017	1:16 AM	10/17/2017	1:26 AM	546	10045	SW1621 Iceland - E1 Seg	79	2963.2	0.755870409		
10/17/2017	2:47 AM	10/17/2017	2:58 AM	546	10045	SW1621 Iceland - E1 Seg	81	2962.9	0.781738854		
10/17/2017	4:05 AM	10/17/2017	4:12 AM	546	10045	SW1621 Iceland - E1 Seg	78	2926.1	0.88950175		
10/17/2017	5:54 AM	10/17/2017	5:42 AM	546	10045	SW1621 Iceland - E1 Seg	76	2437.3	0.848807148		
10/17/2017	7:32 AM	10/17/2017	7:43 AM	546	10045	SW1621 Iceland - E1 Seg	81	2931	0.904202548		
10/17/2017	9:52 AM	10/17/2017	4:02 AM	546	10045	SW1621 Iceland - E1 Seg	79	2986.6	0.933318741		
10/17/2017	6:40 AM	10/17/2017	7:01 AM	546	10045	SW1621 Iceland - E1 Seg	79	2343.4	0.342345016		
10/17/2017	7:01 AM	10/17/2017	7:11 AM	546	10045	SW1621 Iceland - E1 Seg	84	2915.7	0.838033243		

Adding Other Non-Connected Machines to Your Fleet

If you have other Zamboni ice resurfacing machines, they can be added to your fleet by the Zamboni account administrator (or your Zamboni Authorized Distributor). The machine(s) model number, serial number and location needs to be provided to the Zamboni account administrator during the setup process and your “freemium experience” for the machine(s) without the Zamboni Connect System onboard will allow you access to the Additional Resources and the Maintenance Log features. All data-related modules and DTC information will remain blank, as there are no sensors and thus no data available for the machine(s). However, this will allow your team to fully utilize the Maintenance Log and to have access to all of the machine safety and operational information.

System Requirements and Specifications for Connectivity

Wi-Fi requirements for the Zamboni Connect System:

Network needs to use the 2.4GHz frequency (5Ghz is not compatible).

Signal Strength: Excellent or -50 dB to -65 dB is ideal (-70 dB minimum)

Download speeds: 2.0 Mbps (minimum)

Upload speeds: 2.0 Mbps (minimum)

Network name should not contain spaces.

Network password should contain at least 8 characters and no more than 64.

Server URL Address: my.devicecloud.com

Server resolved IP Address: 52.73.23.137

TCP / Server Port: 3199

A word of caution regarding use of an open (not password protected) Wi-Fi network for transferring your Connect data to the cloud: your device could be compromised by connecting to an unsecure network and is not recommended.

We recommend installing a dedicated wireless access point for the best Zamboni Connect experience.

Browser Requirements:

For optimum user experience, we recommend the following web browsers: Chrome, Firefox or Safari. We do not recommend Microsoft Edge or Microsoft Internet Explorer as an inconsistent experience can occur.

Other Considerations:

If your facility periodically changes Wi-Fi passwords, your Connect Module will need to have the Wi-Fi password updated in it before the password on your network is changed.

Login to your Zamboni Connect Account online, go to your Account Settings and add a network with the same name as your current network with the new password. Once this is complete, there will be two Wi-Fi networks listed with the same name, but different passwords. The old network information will be archived for future reference.

If you move your machine(s) between ice sheets or between facilities, you will need to gather the Wi-Fi network information for each of these facilities and enter and save each network in your Account Settings on the web based Connect application. This operating detail is critical to allow your machine to transmit data to your Zamboni Connect account.

Some documents in the Zamboni Connect System are hosted on Amazon Cloud Web servers. If your organization has a firewall that blocks Amazon Cloud, you may experience issues when trying to view Service Manuals, Operating Instructions or other documents in Additional Resources.

We recommend talking to your organization's IT department to get zamboniconnect.com whitelisted for access to these documents.

[See Site Assessment & Wi-Fi Requirements for additional information.](#)

Support and Contact Information

support@zamboniconnect.com

USA: +1-562-633-0751

CANADA: +1-519-758-5000

Or email your Zamboni Authorized Distributor at **zamboni.com/contact**